Inventory Control System

Radio Shack
TRS-80 MICRO COMPUTER SYSTEM

SOFTWARE

Catalog Number 26-1553

HARDWARE REQUIRED:
Radio Shack's 32-K, 2-Disk "Business System" with Line Printer.

The Radio Shack "INVENTORY CONTROL SYSTEM" (ICS) is designed to provide you with the information you need for proper control of your retail inventory. The key features are:

1. Accurate Daily Cost Of Goods Sold
2. Accurate Control Between Physical Inventories
3. Records On Merchandise Movement
4. Rapid Access To All Data
5. Storage Of Up To 1,000 Different Stock Items
6. Complete Reports Available At Any Time

Table Of Contents

What is ICS?

Radio Shack's INVENTORY CONTROL SYSTEM (ICS) is a simple-to-use, yet complete inventory management tool for the businessman with 1,000 or less items in his inventory. Once you have created your inventory data files (beginning records), all you have to do is:

1 — Enter the items you place on order, from your purchase orders.

2 — Enter receipt of those items as they arrive from your suppliers, along with any changes in price on them.

3 — Enter every item sold, from your daily sales tickets or invoices.

It's that simple! Of course you may also have to adjust for unusual cases like returns for refund or exchange, breakage, loss through shoplifting . . . or to correct an error made in entering data into ICS. And you'll want to take a physical inventory count at least once a year, and correct any quantities which might not be correct in your ICS records. ICS's real advantage is that between year-end physical counts, you get accurate records on:

1 — Daily cost of goods you sell (you'll know your *actual* profit, not just an estimated figure).

2 — How many of each item you are really selling, quarter-to-date and year-to-date (or any two "period-to-date" intervals you want to designate).

3 — Items you need to order from a specific vendor. (You can check everything he sells you, not just those things you're sure you're out of, and combine your orders for best quantity pricing.)

Actual reports you can get, any time, include:

COMPLETE INVENTORY LISTING (with or without cost figures)

NOT-IN-STOCK ITEMS

ITEMS ON ORDER

ALL ITEMS AT OR BELOW REORDER POINT (you specify reorder point)

COMPLETE LIST OF ITEMS BY VENDOR

LIST OF ITEMS BY STOCK NUMBER PREFIX OR SUFFIX

SUGGESTED PURCHASE ORDER TO VENDOR

Before You Run ICS

Program Limits:

1 —Maximum quantity on-hand for any item can't exceed 9,999.

2 —Cost and sell prices can't be in fractions of a cent.

3 —No more than 1,000 sales ticket items (items sold) can be entered at one posting session.

4 —No more than 1,000 inventory items in your total inventory.

Before you try to run ICS, there are some plans you must make, and two things you must do:

Diskettes can be damaged through contact with magnetic fields, mishandling, etc. To insure against loss of your program, before you begin running ICS, you should make a copy (BACKUP) of your program diskette, and file it in a safe place. You must also prepare (FORMAT) a blank diskette, which will be used to store your inventory data (the actual inventory records). If you are not familiar with BACKUP and FORMAT functions, refer to Appendices A&B in the back of this manual for detailed instructions.

Planning Your Inventory Files:

You will access your inventory records during ICS operation, in two primary ways . . . *Stock Number* and *Vendor*. You must decide on the best way to designate these items, and stay with it throughout all ICS operations.

ICS allows a 10-character Stock Number. If you don't use stock numbers, this could be an abbreviated description of the item, but *every time you enter an item as ordered, received, or sold, the stock number for that item must be exactly the same.* ICS will look for a character-by-character "match", and if there are any extra spaces, punctuation marks, or any differences at all, it will not recognize the item. For example, ICS views all of the following as different stock items:

   26 2187   26-2187   26,2187   262187   26--2187

This is also true of vendor names. "Vendor" may include up to 6 characters. Proper entry of these two items is perhaps the most critical factor in successful use of ICS!

Before You Run ICS (continued)

Decide on a specific code or name for each vendor, and stay with it.

Decide what "period-to-date" intervals you want to use for inventory movement figures . . . month-to-date, quarter-to-date, etc. ICS doesn't care, but you must close out the two periods at the proper time in order to make these figures accurate.

COST and SELL entries will require a decimal point, followed by 2 digits, even if they are zeroes.

Plan your inventory system ahead of time, and you're almost ready to begin entering your data files into ICS.

Your ICS Password

In order to prevent unauthorized persons from viewing or changing your confidential inventory information, ICS has a "password", which is required to load and run the programs in your TRS-80.

The first time you run ICS, the program will ask you to "Enter Password". You type in whatever password you would like to use, up to 8 characters in length. It could be any word you choose, and if security is not important to you, you might use your name or even "PASSWORD" (All Radio Shack diskettes have "PASSWORD" as their "master diskette password", so that might make it easy to remember.)

Your password does not show on the screen as you type it, so that anyone watching you can't see what it is.

Each time you run your ICS from this point on, the same password will be required. *Watch the keys as you type it this first time, and be sure you do it right . . . or you may never run ICS again!*

Details Of Operation

Daily Sequence of ICS Operations

Your daily ICS operations should be done in the following sequence:

		PAGE REFERENCE
1.	Add any new stock numbers to data files.	8
2.	Enter items placed on order (from your P.O.'s).	19
3.	Enter items received (from packing list or receiving ticket).	18
4.	Update any data files which need updating (breakage, theft, incorrect count, etc.).	10
5.	Enter items sold from daily sales tickets or invoices.	16
6.	Post items sold to data files.	17
7.	Print any desired reports or summaries.	12
8.	Make copies of your diskettes. (You can rotate diskettes, you don't have to use new ones each day.) See Appendix C for complete explanation.	23

5

Running The ICS Program

Follow these steps in EXACT order:

1. Turn on the disk drives, printer, video display, and the Expansion Interface.
2. Insert the Backup Copy of the "ICS" in Drive #0.   21
3. Insert your data diskette in Drive #1.   22
4. Turn on the TRS-80 keyboard.

The screen will show:	This is what you type:
DOS READY	B A S I C press ENTER
HOW MANY FILES?__	press ENTER
MEMORY SIZE? __	press ENTER
READY	R U N " I C S " press ENTER

Screen will clear.:

ENTER CORRECT DATE (MM/DD/YY): 0 1 / 0 1 / 7 9 press ENTER

DATE IS SET TO 01/01/79. IS THIS CORRECT?   press Y

ENTER PASSWORD — — —   Type in your password press ENTER   3

(Your password must be entered exactly like this every time.)

The screen may show:

NO   DATA IN SYSTEM. USE FUNCTION 4 TO CREATE
INVENTORY TYPE @ TO RETURN TO MAIN MENU———

> • STOP. If you get this message, and you have already created your inventory, follow these steps *EXACTLY:*
>
> 1. Wait for the red lights on the Disk Drives to shut off.
> 2. Type @ to return to the Main Menu.
> 3. Type @ to Exit From Program.
> 4. Wait for READY to appear, and Drive Lights are off.
> 5. Check for the following possible causes:
>   Disk Drive Door is Open. (Close it now.)
>   No Diskette in Drive #1. (Insert diskette.)
>   Blank Diskette in Drive #1. (Insert Data Diskette.)
>   Drive #1 is unplugged or not on. (Turn on Drive.)
>   Cable to Drive came loose. (Check connections.)
>   Data Diskette is inserted wrong. (Re-insert Diskette.)
>   Defective Diskette. (Use your "Backup" Data Diskette.)
> 6. If you found the problem, fix it, type R U N, and press ENTER. Return to page 7, and continue.

If you are starting a new inventory, this message is normal. Type @   15
to return to the Main Menu, then select function 4.

Main Menu

This Is The Main Menu:

Press the number key corresponding to one of the following options:

1 — Allows you to add new inventory items to your files. | 8

2 — Lets you look up an item, delete it if you wish, or change any of the information on file. | 10

3 — Select this option to print any type of reports. | 12

4   To set up your beginning inventory files, choose function 4. | 15

5 — Use this option to enter items sold from your sales tickets. You don't have to enter all of them at once . . . you can enter them at different times during the day, in "batches". (When they're all entered, you "post them" to the files by using function 6.) | 16

6 — Allows posting of daily sales tickets, and end-of-period closeouts.
Note: Use function 9 to be sure all tickets have been posted, before closing a period. | 17

7 — Enter items received from your vendors against purchase orders you've issued. | 18

8   Enter items you have placed on order. | 19

9 — System status shows you how many inventory items you have entered (but not yet posted with option 6), the retail and cost value of your inventory, along with the total dollar value of items on order. | 20

@ — Allows you to end the ICS program. Always end your program with this command . . . *NEVER DO IT BY SIMPLY CUTTING THE POWER ON YOUR SYSTEM.*

Note: As you enter sales tickets, purchase orders, or receiving tickets, it's a good idea to note on the document that it has been entered into ICS, to avoid possibly entering the same information again at a later date.

7

Input New Items

Main Menu
(Function 1)

If you choose function 1 on the Main Menu, the above "Input New Items" menu will be displayed.

For each item, answer the following questions (sample answers are in black):

Ø	Stock number. Up to 1Ø characters, alphanumeric.	2
1 -	Your description, or name of the item. Up to 19 characters, alphanumeric.	
2 ·	Quantity on hand. Whole numbers only. Up to four digits (do not type in commas). If you receive a series of shipments totaling more than 9,999 single pieces, the total will be stored up to a quantity of 32,767.	11
3 -	Your cost per single item.	3, 12
4	Your resale price. **Note**: Following this entry, the computer will display your gross profit margin for the item automatically.	3, 12
5 -	Location can be a shelf, bin, or box number, or the description of where the items are kept (up to 1Ø characters), or may be left blank.	
6 -	This question is asked in two parts. First type in the reorder point . . . the computer will tell you it's time to reorder any time your quantity on hand falls to, or below, the number you type in here. Press [ENTER]. Next, type in the quantity you normally want to order when your inventory gets low (just a suggested figure, you won't be "locked in" to it). Press [ENTER] again.	9
7 ·	Number of items currently on order, but not yet received.	
8 -	The date you entered your last order for this item.	
9 -	The name of the vendor from whom you purchase the item up to 6 characters.	2
@	Type in this symbol if you've made an error (and already entered it), or when you want to return to the Main Menu.	

Note: After each "Input New Items" session, the computer will sort all of the items on your data disk. Allow several minutes.

8

Input New Items (continued)

	PAGE REFERENCE
## Main Menu (Function 1)	

A series of rectangular blocks (to the right of the line description) will appear on the screen when the system is ready to accept data. The number of blocks indicates the maximum number of characters your answer may contain.

A stock number **must** be entered before a new item can be received or sold. When typing the number, don't insert any leading spaces. If the stock number is to be used for a suffix listing later on, the entire stock number line must be filled, with spaces if necessary, so that the suffix is right justified. For Example: 27-__432B.

Press ENTER to record the stock number. If you reach the maximum number of characters (or numbers) for a line, the computer will stop. Press ENTER to go to the next line, or ⬅ to backspace, one character at a time. SHIFT ⬅ will delete the entire line.

Once a stock number has been entered, you can use as many of the other lines as desired. To store the entry, press ENTER, and the system will go to the next line. To skip over a line, just press the ENTER key. (Note that COST and SELL lines require an entry with a decimal point followed by two digits). When you skip over a line, character lines will appear blank, and number lines will show a zero (∅) on all printed reports.

If an error is noticed after entering the data, don't worry about it now. Make a note of it for correction, (using the ACCESS/UPDATE function) later on. You may also type @ to REDO ENTIRE SCREEN.

Note that line 6 requires two separate entries, RE-ORDER PT/QTY. Press ENTER after each entry. The computer will insert the "/" character automatically.

After VENDOR has been entered, the disk drives will start, and store the item on disk. Then the system will be ready for the next entry. It takes ICS approximately 5 seconds to store the first item. All succeeding items are stored much faster. After all the data has been entered, type @ (for the stock number) to return to the menu. The system will start the sorting operation to put the items in the proper sequence. As the sort progresses, the screen will display various messages:

LOADING IN DATA FOR SORT
SORT IS IN PROGRESS
SORT COMPLETE, SAVING FILES
**ALL OPERATIONS COMPLETE**
RETURNING TO MAIN MENU

When the sort is finished, the Main Menu will be displayed, and you can continue.

The sort process will take a maximum of 2∅ minutes to complete. This would occur if 1∅∅∅ items were entered in random order. Normally, the sorting will take 1∅ to 12 minutes.

Access/Update

Main Menu
(Function 2)

This function is used very frequently, since it lets you recall any item in the inventory for review, update, correction or deletion.
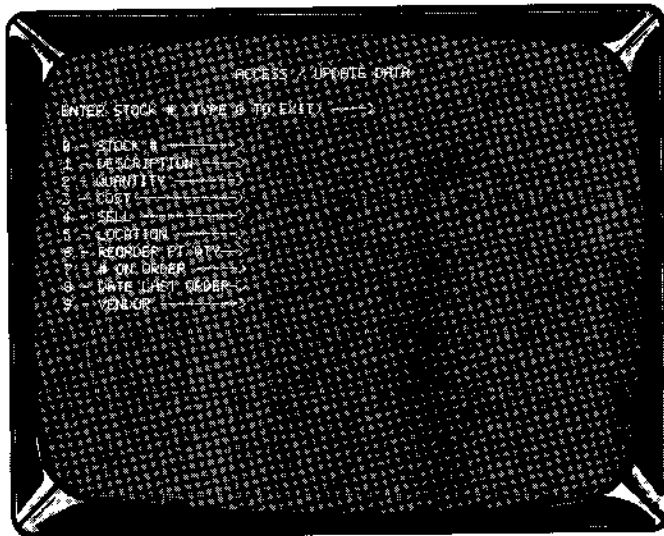
Type in a stock number, press ENTER. The entire stock number must be entered. ICS will go directly to that item on the diskette. The Inventory Control System is capable of accessing any item in 4 to 6 seconds for a full system of 1000 items. If the number is not in the listing, an "ITEM NOT IN LISTING" message will appear to the right. Otherwise, the "ENTER STOCK #" message will be replaced by the editing instruction:

SELECT (U)PDATE, (S)EARCH, (N)EXT ITEM, (P)REVIOUS ITEM,

(A)DJUST QTY, (D)ELETE, (@) TO EXIT TO MAIN MENU   .

The TRS-80 will display all the information related to the stock number.

Editing can be done by just pressing the indicated letter in parenthesis. When U is pressed, the message is replaced by:

SELECT LINE TO BE UPDATED (TYPE @ TO RESTART) — —

10

Access/Update (continued)

Main Menu
(Function 2)

Simply type the line number you want to change (you cannot change the stock number line). Type the updated information. Press ENTER. The system will immediately store the new information. The screen will display the updated line.

Pressing S will return the initial ACCESS/UPDATE display so that another stock number may be Searched for.

10

Pressing N will display the Next item in the listing. P will display the Previous one.

The quantity can be Adjusted by pressing A. This will display the following message above the inventory format:

ENTER + OR — AND CHANGE IN QUANTITY — — —

You may make an adjustment in the quantity, rather than calculating and typing the new quantity. Example: +75 increases the old quantity by 75. +138 increases the quantity by 138. You must enter the + or − as shown.

Pressing the D key will immediately Delete the item currently on the screen from the inventory, and go to the next item in your inventory.

If you want to delete items, as well as add new items, while running ICS, **you should delete unwanted items before adding new ones.** New entries are inserted into gaps in the inventory file resulting from deletion of items.

Pressing @ will return you to the Main Menu.

7

11

Output Reports And Summaries

Main Menu
(Function 3)

This option provides printouts for ICS permanent records.

CAUTION
Turning Printer on or off, when the red light on the Disk Drive is on, may destroy data on the Disk.

At this time, make sure that the Line Printer is turned on, ready to print, and paper is lined up at the top of the page. Keep the printer on until finished, and the "END OF PROGRAM, READY" message appears on the screen.

Automatic page advance is built into the Inventory Control System. Listings which exceed an 11 inch page will be continued on a new page below a new heading. Each printing option is started by pressing the appropriate number key.

Any time you want to stop a printout, hold down the [@] key. This will terminate the printout, and return to the menu. The Line Printer will print *TERMINATED* on the printout.

All printouts start (and end) with dashed lines. These lines mark 11 inch pages. Cut pages along the dashes.

All printouts (except the suggested purchase order) give you the choice of suppressing cost and profit figures so that they can be used as counter copies. When suppress is selected, asterisks will be substituted for the cost and gross profit figures.

8

12

Output Reports And Summaries (continued)

Main Menu
(Function 3)

OPTIONS:

1 · Prints the entire inventory listing, followed by the total number of items in the listing, and the value of inventory at cost and sell prices. A complete listing of an inventory containing 1000 items takes approximately one hour.

ICS looks through the entire inventory whenever it produces a special report. For an inventory of 1000 items, this process takes 12 to 15 minutes.

2 — Prints a list of all items with an on-hand quantity = 0.

3 — Prints a list of all items now on order.

4 — Prints a list of all items at or below your specified reorder point.

5 · When 5 is pressed, the screen displays this:

    ENTER ENOUGH LETTERS TO IDENTIFY VENDOR— — —

Type the vendor's name, and press ENTER.

6 When 6 is pressed and the "suppress cost and profit figure" question is answered the screen displays:

    (P)REFIX OR (S)UFFIX?

If P is pressed, the system ask for the prefix the user desires for his listing.

    ENTER PREFIX — — —
    — · — — — — — — ·· —

Either a complete, or partial prefix number, or letter may be entered. ICS will printout all stock numbers whose prefix begins with the number(s) or letter(s) just entered.

If a listing by suffix is desired, type S when the system inquires the type of listing. Then, it will ask for the suffix number(s).

    ENTER SUFFIX — —
    — — — · ·· — — — ··

ICS will print all entries where the desired suffix occupies the last character position(s) in the stock number field. As noted before, this stock number field must be entirely filled when initially entered, with the suffix right justified and spaces filling up the field between the prefix and suffix, if necessary. (Example: 27-___432B).

Outputs Reports And Summaries (continued)

Main Menu
(Function 3)

7 — Prints a suggested purchase order for any selected vendor and
picks out those items which are at, or below, the reorder point,
and which are not already on order. These items will be
listed on the printout, along with recommended quantity,
stock number, cost and extension for each item as well as
total cost and number of items.

8   This option lets you test the print width setting of the TRS-80
line printer. There is a small knob in back of the line printer
(on the left hand side) which is used to adjust the print density.
The option should be selected before making any printouts,
to insure the print width is set properly. Once set, it need not
be changed.

14

Create New Inventory

Main Menu
(Function 4)

The first time you run ICS, you use function 4 to "initialize" the system. If no inventory items are present on the data diskette, this function prepares the program for a new inventory and then returns to the main menu.

Starting Over

At some point, it might be desirable to delete an old inventory, and start again. At the Main Menu, select function 4. The screen will show:

SYSTEM CONTAINS INVENTORY DATA. IF YOU WISH TO ERASE ALL DATA, TYPE (SHIFT) K OR ELSE TYPE @ TO RETURN TO MAIN MENU ——

Hold down the [SHIFT] key and type [K]. All the data files on the diskettes will immediately be erased. You can now return to the Main Menu, and re-select function 4 (to create a new inventory under the same password), or exit the program, then run it again to assign a new password.

Enter Sales Tickets

Main Menu
(Function 5)
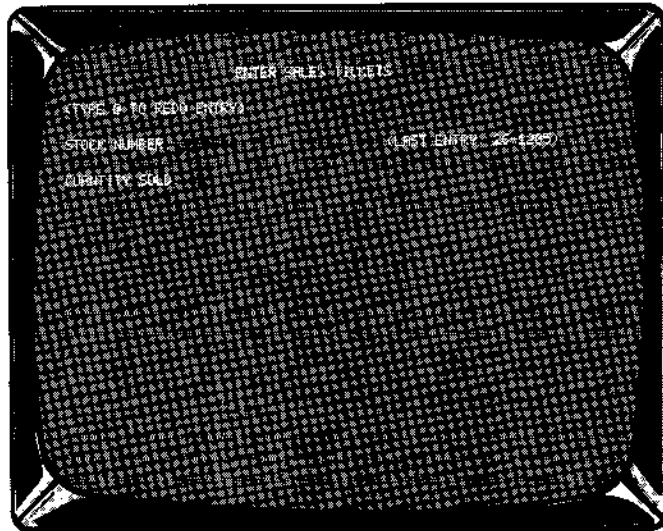
This function allows you to enter stock numbers and quantities sold, (from sales tickets). All of the entries are stored in a temporary file. This file should be "posted" daily using function 6.

17

Note: Sales tickets which are entered here, (but **not posted** in function 6), will be carried over to the next run (or session). This means you can enter a few sales tickets, exit from the program, run another program (such as Payroll), then continue entering sales tickets. The SYSTEM STATUS function will show the number of unposted sales tickets.

17

20

16

End Of Period Processing

Main Menu
(Function 6)
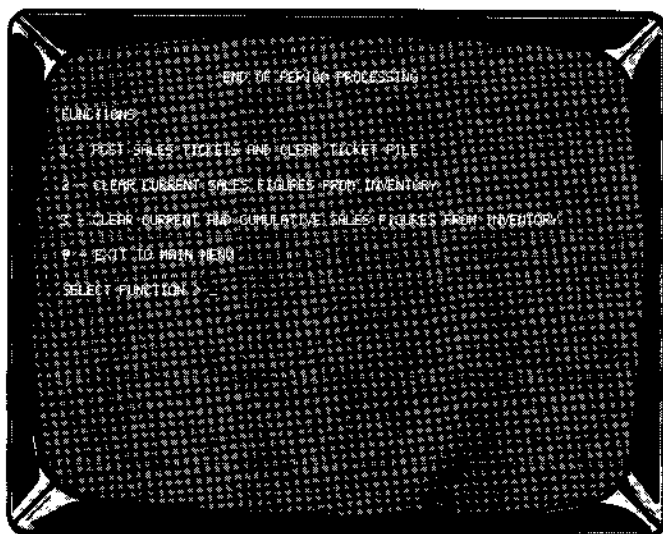
You have three options:

1 — Option 1 is used to post the information you entered from your sales tickets, to the inventory data files. Inventory quantities are adjusted, and both period-to-date lines are updated accordingly. The printer will print error messages for any stock number not found during the posting, and note any negative quantities caused as a result of the posting. The information (from function 5) is cleared, and the total dollar cost-of-goods-sold (as reflected by the sales tickets) is printed on the line printer.

2 — Option 2 will clear the "current sales" line of all items, and reset the "current sales" counter to $\emptyset$.

3 — Option 3 clears both the "current sales" and the "cumulative sales" lines.

16

16

Enter Receipts Of On-Order Items

Main Menu
(Function 7)

When you enter the stock number of a received item, all information about that item will be displayed. You can now enter the quantity received, and any change in the cost or selling price. The entire display will update to reflect the changes in quantity on hand, number on order, and any price changes. All system totals are adjusted as the information is entered.

The current value of your inventory is always stated at current cost.

Enter Items Placed On Order

Main Menu
(Function 8)

Function 8 will ask you for the stock number, quantity being
ordered, the date of the order, and then display the updated
information for your verification. Again, system totals are adjusted
as the information is entered.

System Status Report

Main Menu
(Function 9)

Selection of Function 9 displays a report similar to the following:
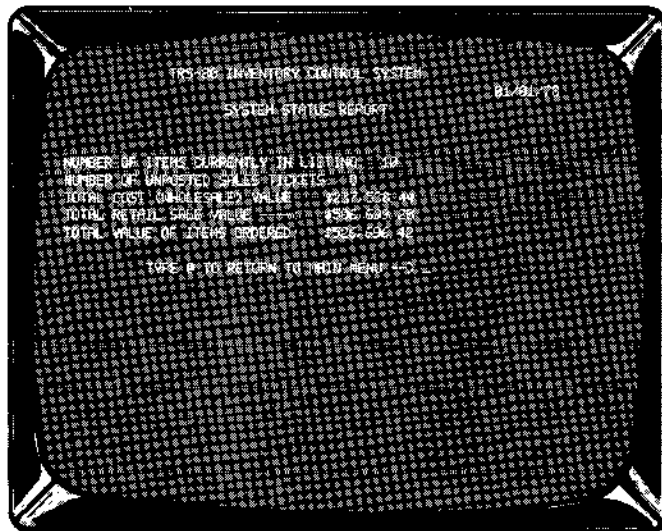
Appendix A

Backing Up Your Diskettes

Use this procedure **EXACTLY**:

1 — Turn on everything **except the TRS-80 keyboard**. If this is the first time you've ever used the Radio Shack Disk System, refer to the Disk Operating System Manual for detailed instructions.

2 — Insert a new, blank diskette in Drive #1 (farthest from the Interface) with the diskette notch up, label to the right.

3 — Close the Drive #1 Door.

4 — Insert the diskette you wish to copy in Drive #∅ with the notch up, label facing right, and close the door. (Drive #∅ is the first drive connected to the interface.)

5   Turn on the TRS-80 Keyboard. (The switch on the right rear apron.)

This is what the screen shows:
- **DOS READY**
- **SOURCE DRIVE NUMBER?**
- **DESTINATION DRIVE NUMBER?**
- **BACKUP DATE (MM/DD/YY)?**

HIT 'ENTER' TO CONTINUE

This is what you type:
B A C K U P, and press ENTER.
∅, and press ENTER.
1, and press ENTER.
∅ 1 / ∅ 1 / 7 9 ENTER.
(Example for January 1, 1979)
STOP — Don't press anything!!!

Now we can check to see if the "BACKUP" procedure was successful:

1 — Remove the original diskette from Drive #∅.

2 — Take the backup diskette out of Drive #1. Place the backup copy in Drive #∅ and close the door.

3 — Now you can press ENTER. If the screen shows: **DOS READY**, your backup was successful.

If something went wrong, go back to step 1.

Appendix B

Formatting A Blank Data Diskette

This process prepares blank diskettes for use on the disk system. All data diskettes must be formatted before being used. Here's how you do it:

1 —Insert a blank diskette in Drive #1·

2 —Do the following **exactly** as shown:

Screen Shows: **You Type:**

Screen Shows	You Type	
DOS READY	F O R M A T	press ENTER
WHICH DRIVE etc.	1	press ENTER
DISKETTE NAME?	D A T A 1	press ENTER
CREATION DATE?	0 1 / 0 1 / 7 9	press ENTER
MASTER PASSWORD	P A S S W O R D	press ENTER
LOCK OUT ANY TRACKS?	N O	press ENTER
HIT "ENTER" TO CONTINUE		press ENTER

For detailed information on the "formatting" process, consult your DOS Instruction Manual. When you "format" a data diskette, you might want to create your own password, or diskette name. You can use up to 8 characters for the password, or diskette name. The date should be a current date, and entered in the manner shown above. If security is not a big problem, simply enter "PASSWORD" as your password. If you are using several different program diskettes for your TRS-80, you might want to use a more detailed diskette name.

Example: DISKETTE NAME?   ICSDATA2 or ICSFIL 34

Just so you do not exceed 8 characters for your diskette name or your password.

Appendix C

Making "Safety" Copies Of Your Diskettes

At the end of the work day, make a "Backup" copy of the
program, using the technique shown in Appendix A. To "Backup"
your data diskette, use this procedure: Leave data diskette in Drive #1.

Screen Shows:	You Type:
DOS READY	B A C K U P, and press ENTER
SOURCE DRIVE?	**Don't type anything.** Remove the program diskette from Drive #Ø, and insert a blank diskette.
	Now, You Type:
	1, and press ENTER
DESTINATION DRIVE?_	Ø, and press ENTER
BACKUP DATE (MM/DD/YY)?_	Type the date, and press ENTER
BACKUP COMPLETED	Put program disk back into Drive #Ø
HIT 'ENTER' TO CONTINUE	Press the ENTER key. You've just made a successful "BACKUP" of your "DATA" diskette. Use it for your next session.

Rotating Backup Copies

When you're using your system, get in the habit of making copies of
both diskettes at the end of the day. The next day, use the copies
that you just made. It's a very inexpensive form of insurance. You
might consider even carrying the backup copies home at night in case
of fire, theft, or vandalism.

Here's an example, using 2 extra diskettes:
The first day's diskettes we will call A and B. The next day's diskettes
will be called C and D.

Day One   Day Two

Prog.   Copy Onto   Prog.   Copy Onto
(A)   ——→   (C)   (C)   ——→   (A)

Data   Copy Onto   Data   Copy Onto
(B)   ——→   (D)   (D)   ——→   (B)
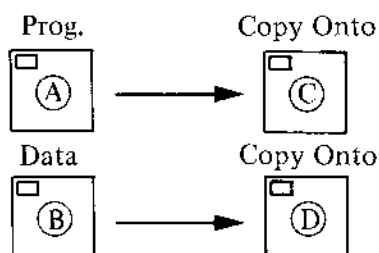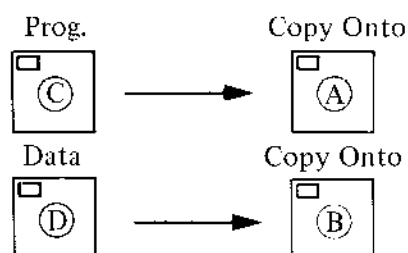
On the second day, you will take A, and B, and use them as blank
diskettes to copy C and D. If something happens to a diskette, you
still have the last backup copy to rely on. Four extra diskettes will
give you three days of record protection.

Note: The most effective method for erasing diskettes is by using a
Radio Shack Bulk Tape Eraser, Stock No. 44-210.

Sample Reports

Listing By Prefix

01/01/78

LISTING BY PREFIX: 26

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY		ON ORDER	DATE	VENDOR	CURR / CUML	
26-1001	BLUE BOX	19	359.95	400.00	10.0	TEC WHSE	1050 /	50	39	11/08/78	TAP	0 /	0
26-1003	GREEN BOX	18	19.00	29.95	36.6	TEC WHSE	1089 /	89	19	11/09/78	TAP	0 /	0
26-1205	RED BOX	4976	39.00	49.95	21.9	TEC WHSE	49 /	49	25	10/31/78	NCH	23 /	23

NUMBER OF ITEMS: 3
TOTAL COST VALUE: $201,245.65
TOTAL RETAIL VALUE: $256,690.30
TOTAL COST OF ORDERS $15,274.65

END OF LISTING

Complete Inventory Listing

01/01/78

COMPLETE INVENTORY LISTING

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY		ON ORDER	DATE	VENDOR	CURR / CUML	
26-1001	BLUE BOX	19	359.95	400.00	10.0	TEC WHSE	1050 /	50	39	11/08/78	TAP	0 /	0
26-1003	GREEN BOX	18	19.00	29.95	36.6	TEC WHSE	1089 /	89	19	11/09/78	TAP	0 /	0
26-1205	RED BOX	4976	39.00	49.95	21.9	TEC WHSE	49 /	49	25	10/31/78	NCH	23 /	23

TOTAL ITEMS LISTED: 3
TOTAL COST VALUE: $203,466.77
TOTAL RETAIL VALUE: $267,192.30

TOTAL COST OF ORDERS: $15,374.65

END OF LISTING

Sample Reports

Listing Of Not-In-Stock Items

01/01/78

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY	ON ORDER	DATE	VENDOR	CURR / CUML
26-1265	RED BOX	0	39.00	49.95	21.9	TEC WHSE	49 / 49	25	10/31/78	MOA	23 / 23

END OF LISTING

Suggested Purchase Order To Vendor

01/01/78

SUGGESTED PURCHASE ORDER TO VENDOR: TAP

QTY	STOCK #	DESCRIPTION	COST	EXTENSION
90	26-1001	BLUE BOX	359.95	$32,395.50
89	26-1002	GREEN BOX	19.00	$1,691.00

TOTAL ITEMS: 2
TOTAL COST OF ORDER: $34,086.50

END OF LISTING

Sales Ticket Posting Report

01/01/78

SALES TICKET POSTING REPORT

NUMBER OF ITEMS POSTED: 1
TOTAL COST OF GOODS SOLD: $897.00

END OF LISTING

Sample Reports

Listing By Vendor

01/01/78

LISTING BY VENDOR: TAP

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY	ON ORDER	DATE	VENDOR	CURR / CUML
26-1001	BLUE BOX	19	359.95	400.00	10.0	TEC WHSE	1090 / 90	39	11/08/78	TAP	0 / 0
26-1003	GREEN BOX	18	19.00	29.95	36.6	TEC WHSE	1089 / 89	19	11/09/78	TAP	0 / 0

NUMBER OF ITEMS: 2
TOTAL COST VALUE: $7,181.05
TOTAL RETAIL VALUE: $8,139.10
TOTAL COST OF ORDERS: $14,299.05

END OF LISTING

Listing Of All Items At, Or Below Reorder Point

01/01/78

LISTING OF ALL ITEMS AT OR BELOW REORDER POINT

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY	ON ORDER	DATE	VENDOR	CURR / CUML
26-1001	BLUE BOX	19	359.95	400.00	10.0	TEC WHSE	1090 / 90	39	11/08/78	TAP	0 / 0
26-1003	GREEN BOX	18	19.00	29.95	36.6	TEC WHSE	1089 / 89	19	11/09/78	TAP	0 / 0

END OF LISTING

Listing Of All Items On Order

01/01/78

LISTING OF ALL ITEMS ON ORDER

STOCK #	DESCRIPTION	QTY	COST	SELL	GP %	LOCATION	R/O PT / QTY	ON ORDER	DATE	VENDOR	CURR / CUML
26-1001	BLUE BOX	19	359.95	400.00	10.0	TEC WHSE	1090 / 90	39	11/08/78	TAP	0 / 0
26-1003	GREEN BOX	18	19.00	29.95	36.6	TEC WHSE	1089 / 89	19	11/09/78	TAP	0 / 0
26-1205	RED BOX	4976	39.00	49.95	21.9	TEC WHSE	49 / 49	25	10/31/78	MCA	23 / 23

TOTAL COST OF ORDERS: $15,374.05

END OF LISTING

26

```
10 REM 12/05/78
20 REM ** TRS-80 INVENTORY CONTROL SYSTEM **
30 REM COPYRIGHT 1978 BY TANDY CORP.
40 POKE16425,1:POKE&H5C8C,0:CLEAR500:W$="":ONERRORGOTO90:OPEN"I",1,"TRANSFER"
50 LINEINPUT#1,PI$:LINEINPUT#1,PS$:LINEINPUT#1,PD$
60 LINEINPUT#1,PT$:LINEINPUT#1,PR$
70 CLOSE1:KILL"TRANSFER"
80 CLS:GOSUB250:GOTO200
90 IFERR/2+1=54THENRESUME110
100 ONERRORGOTO0
110 IFLEFT$(TIME$,2)="00"ORMID$(TIME$,3,1)<>"/"ORMID$(TIME$,6,1)<>"/"THENCLS:GOT
    O140
120 CLS:PRINT@458,"DATE IS SET TO ";LEFT$(TIME$,8);" .  IS THIS CORRECT ? ";
130 FL=1:GOSUB370:Q$=IN$:IFQ$<>"Y"ANDQ$<>"N"THENPRINTCHR$(8);:GOTO130ELSEIFQ$="N
    "THEN140ELSE190
140 PRINT@588,"ENTER CORRECT DATE (MM/DD/YY) : ";
150 FL=8:GOSUB370:DT$=IN$
160 POKE16454,VAL(LEFT$(DT$,2)):POKE16452,VAL(RIGHT$(DT$,2))
170 POKE16453,VAL(MID$(DT$,4,2))
180 GOTO110
190 CLS:GOSUB250:GOSUB3180:IFP$=""THEN190ELSEGOSUB3170:PRINT@472,"INITIALIZING";
    CHR$(30)
200 DEFINTA,C,H,J,K,F,L,M,N,P,T,V,W:DIMV(1000)
210 DEFFNGP(IC,IP)=(IP-IC)/IP*100
220 ONERRORGOTO3550:POKE16424,67:POKE16425,1:XX=1:LF$=CHR$(138):LL$=STRING$(132,
    "-")
230 READA0,A1,A2,A3,A4,A5,A6,A7,A8,A9,AA,AB,AC,L0$,L1$,L6$,L7$:RESTORE:GOTO3010
240 GOSUB250:GOTO270
250 CLS:PRINTTAB(13)"TRS-80 INVENTORY CONTROL SYSTEM":PRINT@117,LEFT$(TIME$,8);:
    PRINT:RETURN
260 GOSUB250:PRINTTAB(20)"SYSTEM STATUS REPORT":PRINT:GOSUB3070:PRINT:GOSUB2480:
    RETURN
270 PRINT"FUNCTIONS:

       1 - INPUT NEW ITEMS
       2 - ACCESS / UPDATE
       3 - OUTPUT REPORTS AND SUMMARIES
       4 - CREATE NEW INVENTORY
       5 - ENTER SALES TICKETS
       6 - END OF PERIOD PROCESSING"
280 PRINT"7 - ENTER RECEIPTS OF ON-ORDER ITEMS
       8 - ENTER ITEMS PLACED ON ORDER
       9 - DISPLAY SYSTEM STATUS
       @ - EXIT FROM PROGRAM"
290 PRINT:PRINT"SELECT FUNCTION > ";
300 FL=-1:GOSUB370:S$=IN$:IFCF=1THEN330ELSEIFS$<"1"ORS$>"9"THENPRINTCHR$(8);:GOT
    O300
310 ONVAL(S$)GOSUB560,800,1530,1800,1870,2000,1300,1310,260
320 IFFD=0THEN240ELSECLS:PRINT@464,"LOADING IN DATA FOR SORT":CLOSE:GOSUB2750:GO
    SUB2720:GOTO3670
330 CLS
340 PRINT@472,"END OF PROGRAM":PRINT:PRINT:IFER=1THENCLOSE:CLEAR50:POKE&H5C8C,1:
    ENDELSECLOSE:GOSUB2750:GOSUB2720:CLEAR50:POKE&H5C8C,1:END
350 PRINT@128,CHR$(30);CHR$(29);"(TYPE @ TO EXIT TO MAIN MENU)";:RETURN
360 PRINT@128,CHR$(30);CHR$(29);"(TYPE @ TO REDO ENTRY)";:RETURN
```

```
370 IN$="":CF=0:W$=INKEY$:WD=0:WS=WD:WL=WD:IFFL=WDTHENFL=1
380 PRINTSTRING$(ABS(FL),CHR$(136));STRING$(ABS(FL),CHR$(24));
390 PRINTCHR$(14);:FORW=1TO25:W$=INKEY$:IFW$<>""THEN400ELSENEXT:PRINTCHR$(15);:F
        ORW=1TO25:W$=INKEY$:IFW$<>""THEN400ELSENEXT:GOTO390
400 IFW$<>CHR$(13)THEN420ELSEPRINTSTRING$(ABS(FL)-WL," ");
410 PRINTCHR$(15);:W=25:NEXT:RETURN
420 IFW$<>"@"THEN440
430 CF=1:PRINTCHR$(15);:RETURN
440 PRINTCHR$(14);:IFW$=CHR$(24)THENPRINTSTRING$(WL,CHR$(24));:GOTO370
450 IFW$<>CHR$(8)THEN490ELSEIFWL=0THEN390ELSEPRINTCHR$(24);:IFFL>0THEN470ELSEIFP
        EEK(16418)=44THEN480
460 IFPEEK(16418)=46THENWD=0:GOTO470ELSEIFPEEK(16418)=43ORPEEK(16418)=45THENWS=0
470 IN$=LEFT$(IN$,LEN(IN$)-1)
480 WL=WL-1:POKE16418,136:GOTO390
490 IFABS(FL)=WLTHEN390ELSEIFFL>0THENIFW$>=" "ANDW$<="Z"THEN540
500 IFW$=". "ANDWD=0THENWD=1:GOTO540
510 IFW$=", "THENPRINTW$;:WL=WL+1:GOTO550
520 IF(W$="-"ORW$="+")ANDWS=0ANDWL=0THENWS=1:GOTO540
530 IFW$<"0"ORW$>"9"THEN390
540 PRINTW$;:IN$=IN$+W$:WL=WL+1
550 IFABS(FL)=1THEN410ELSE390
560 CLS:PRINTTAB(20)"INPUT NEW ITEMS":PRINT
570 IFER=1THENGOSUB3060:RETURN
580 J=TN
590 IFTI=1000THENCLS:PRINT@468,"SYSTEM IS FULL (1000 ITEMS)":GOSUB2480:RETURNELS
        EPRINT@A0,CHR$(30);:GOSUB2510:GOSUB350
600 IFFD<>0THENPRINT@295,"(LAST ENTRY: ";IS$;")";
610 FL=10:PRINT@A0,;:GOSUB370:IFCF=0THENIS$=IN$ELSE630
620 IFIS$<>""THEN640ELSE610
630 RETURN
640 GOSUB360
650 FL=19:PRINT@A1,;:GOSUB370:IFCF=0THENID$=IN$ELSE560
660 FL=-4:PRINT@A2,;:GOSUB370:IFCF=0THENIQ%=VAL(IN$)ELSE560
670 FL=-7:PRINT@A3,;:GOSUB370:GOSUB3750:IFCF=0THENIC=VAL(IN$):PRINTCHR$(30);ELSE
        ONCFGOTO560,670
680 FL=-7:PRINT@A4,;:GOSUB370:GOSUB3750:IFCF=0THENIP=VAL(IN$):PRINTCHR$(30);ELSE
        ONCFGOTO560,680
690 GOSUB2830
700 FL=10:PRINT@A5,;:GOSUB370:IFCF=0THENIL$=IN$ELSE560
710 FL=-4:PRINT@A6,;:GOSUB370:IFCF=0THENIR%=VAL(IN$)ELSE560
720 PRINT" / ";:FL=-4:GOSUB370:IFCF=0THENIN%=VAL(IN$)ELSE560
730 FL=-4:PRINT@A7,;:GOSUB370:IFCF=0THENIO%=VAL(IN$)ELSE560
740 FL=8:PRINT@A8,;:GOSUB370:IFCF=0THENIM$=IN$ELSE560
750 FL=6:PRINT@A9,;:GOSUB370:IFCF=0THENIV$=IN$ELSE560
760 P1=0:P2=0:GOSUB3860
770 TC#=TC#+IC*IQ%:TP#=TP#+IP*IQ%:TR#=TR#+IO%*IC:TI=TI+1
780 FD=1:GOSUB3130:GOSUB2630:GOSUB2660:GOSUB2650:GOSUB2540
790 GOSUB2600:GOSUB2560:TN=TN+1:J=TN:GOSUB2510:GOTO590
800 CLS:PRINTTAB(20)"ACCESS / UPDATE DATA":PRINT
810 IFER=1THENGOSUB3060:RETURN
820 PRINT@A0,CHR$(31);:GOSUB2510
830 GOSUB2780:PRINT"ENTER STOCK # (TYPE @ TO EXIT) ----> ";
840 FL=10:GOSUB370:IFCF=0THENIS$=IN$ELSE1270
850 GOSUB2420
860 IFK=0THENPRINT@AB,"ITEM NOT IN LISTING";:GOSUB2500:GOSUB2510:GOTO830
```

```
870 GOSUB2760
880 GOSUB2780:PRINT"SELECT (U)PDATE, (S)EARCH, (N)EXT ITEM, (P)REVIOUS ITEM,
    (A)DJUST QTY, (D)ELETE, (@) TO EXIT TO MAIN MENU --> ";
890 FL=1:GOSUB370:IFCF=1THEN1270ELSEO$=IN$:IFO$<>"U"ANDO$<>"S"ANDO$<>"N"ANDO$<>"
    P"ANDO$<>"D"ANDO$<>"A"THENPRINTCHR$(8);:GOTO890
900 IFO$="D"THEN1210
910 IFO$="S"THEN820
920 IFO$="U"THEN970
930 IFO$="A"THEN1240
940 IFO$="P"ANDN<>1THENN=N-1:J=V(N):IFSGN(J)=-1THEN940ELSEGOSUB2630:GOSUB2660:GO
    SUB2670:GOSUB2760:GOTO880
950 IFO$="N"ANDN+1<>TNTHENN=N+1:J=V(N):GOTO960ELSEPRINTCHR$(8);:GOTO890
960 IFSGN(J)=-1THEN950ELSEGOSUB2630:GOSUB2660:GOSUB2670:GOSUB2760:GOTO880
970 GOSUB2780:PRINT"SELECT LINE TO BE UPDATED (TYPE @ TO RESTART)--> ";
980 FL=-1:GOSUB370:IFCF=0THENU$=IN$:IFU$<"1"ORU$>"9"THENPRINTCHR$(8);:GOTO980
990 IFCF<>0THEN880
1000 GOSUB2780:ONVAL(U$)GOTO1010,1030,1050,1070,1090,1110,1140,1160,1180
1010 GOSUB2780:PRINT"1 - DESCRIPTION : ";
1020 FL=19:GOSUB370:IFCF=0THENID$=IN$:GOTO1200ELSE990
1030 GOSUB2780
1040 PRINT"2 - QUANTITY : ";:FL=-4:GOSUB370:IFCF=0THENGOSUB1280:IQ%=VAL(IN$):GOS
    UB1290:GOTO1200ELSE990
1050 GOSUB2780
1060 PRINT"3 - COST : ";:FL=-7:GOSUB370:GOSUB3750:IFCF=0THENGOSUB1280:IC=VAL(IN$
    ):GOSUB1290:PRINTCHR$(30);:GOTO1200ELSEONCFGOTO990,1050
1070 GOSUB2780
1080 PRINT"4 - RETAIL PRICE : ";:FL=-7:GOSUB370:GOSUB3750:IFCF=0THENGOSUB1280:IP
    =VAL(IN$):GOSUB1290:PRINTCHR$(30);:GOTO1200ELSEONCFGOTO990,1070
1090 GOSUB2780:PRINT"5 - LOCATION : ";
1100 FL=10:GOSUB370:IFCF=0THENIL$=IN$:GOTO1200ELSE990
1110 GOSUB2780:PRINT"6 - REORDER POINT/QTY : ";
1120 FL=-4:GOSUB370:IFCF=0THENIR%=VAL(IN$)ELSE990
1130 PRINT" / ";:FL=-4:GOSUB370:IFCF=0THENIN%=VAL(IN$):GOTO1200ELSE990
1140 GOSUB2780:PRINT"7 - # ON ORDER : ";
1150 FL=-4:GOSUB370:IFCF=0THENGOSUB1280:IO%=VAL(IN$):GOSUB1290:GOTO1200ELSE990
1160 GOSUB2780:PRINT"8 - DATE LAST ORDER : ";
1170 FL=8:GOSUB370:IFCF=0THENIM$=IN$:GOTO1200ELSE990
1180 GOSUB2780:PRINT"9 - VENDOR : ";
1190 FL=6:GOSUB370:IFCF=0THENIV$=IN$:GOTO1200ELSE990
1200 GOSUB2560:GOSUB2510:GOSUB2860:GOTO880
1210 V(N)=-J:GOTO1220
1220 TI=TI-1:GOSUB1280:F=F+1
1230 IFN+1=TNTHENPRINT@A0,CHR$(31);:GOSUB2510:GOTO830ELSEN=N+1:J=V(N):IFSGN(J)=1
    THENGOSUB2630:GOSUB2660:GOSUB2670:GOTO870ELSE1230
1240 GOSUB2780:PRINT"ENTER + OR - AND CHANGE IN QUANTITY ---> ";
1250 FL=-4:GOSUB370:IFCF=0THENCH$=IN$ELSE990
1260 IO%=IO%+VAL(CH$):TC#=TC#+IC*VAL(CH$):TP#=TP#+IP*VAL(CH$):GOTO1200
1270 RETURN
1280 TC#=TC#-IO%*IC:TP#=TP#-IO%*IP:TR#=TR#-IO%*IC:RETURN
1290 TC#=TC#+IO%*IC:TP#=TP#+IO%*IP:TR#=TR#+IO%*IC:RETURN
1300 CLS:PRINTTAB(10)"ENTER RECEIPTS OF ON-ORDER ITEMS":PRINT:GOTO1320
1310 CLS:PRINTTAB(15)"ENTER ITEMS PLACED ON ORDER":PRINT
1320 IFER=1THENGOSUB3060:RETURN
1330 PRINT@A0,CHR$(31);:GOSUB2510
1340 GOSUB2780:PRINT"ENTER STOCK# (TYPE @ TO EXIT) ----> ";
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```
1350 FL=10:GOSUB370:IFCF=0THENIS$=IN$ELSE1270
1360 GOSUB2420
1370 IFK=0THENPRINT@AB,"ITEM NOT IN LISTING";:GOSUB2500:GOSUB2510:GOTO1340
1380 GOSUB2760
1390 IFS$="8"THEN1490
1400 GOSUB2780:PRINT"QUANTITY RECEIVED: ";
1410 FL=-4:GOSUB370:IFCF=0THENGOSUB1280:IO%=IO%+VAL(IN$):IO%=IO%-VAL(IN$)ELSE134
     0
1420 GOSUB2780:PRINT"CHANGE IN COST (HIT <ENTER> TO SKIP): ";
1430 FL=-7:GOSUB370:IFCF<>0THEN1340ELSEIFIN$=""THEN1450ELSEGOSUB3750
1440 IFCF=0THENIC=VAL(IN$):PRINTCHR$(30);ELSE1420
1450 GOSUB2780:PRINT"CHANGE IN SELL PRICE (HIT <ENTER> TO SKIP): ";
1460 FL=-7:GOSUB370:IFCF<>0THEN1340ELSEIFIN$=""THEN1480ELSEGOSUB3750
1470 IFCF=0THENIP=VAL(IN$):PRINTCHR$(30);ELSE1450
1480 GOSUB1290:GOSUB2560:GOSUB2510:GOSUB2860:GOTO1340
1490 GOSUB2780:PRINT"QUANTITY ORDERED (HIT <ENTER> FOR DEFAULT QTY): ";
1500 FL=-4:GOSUB370:IFCF<>0THEN1340ELSEGOSUB1280:IFIN$=""THENIO%=IO%+IN%ELSEIO%=
     IO%+VAL(IN$)
1510 GOSUB2780:PRINT"DATE OF ORDER (HIT <ENTER> FOR LAST ENTERED DATE): ";
1520 FL=8:GOSUB370:IFIN$<>""THENIP$=IN$:IM$=IN$:GOTO1480ELSEIM$=IF$:GOTO1480
1530 CLS:PRINTTAB(15)"OUTPUT REPORTS AND SUMMARIES":PRINT
1540 IFER=1THENGOSUB3060:RETURN
1550 PRINT"OPTIONS:

     1 - PRINTOUT COMPLETE LISTING
     2 - PRINTOUT OF NOT-IN-STOCK ITEMS
     3 - PRINTOUT ALL ITEMS ON ORDER
     4 - PRINTOUT ALL ITEMS AT OR BELOW REORDER POINT
     5 - PRINTOUT BY VENDOR
     6 - PRINTOUT BY PREFIX / SUFFIX"
1560 PRINT"7 - PRINT SUGGESTED PURCHASE ORDER TO VENDOR
     8 - TEST PRINTER
     @ - EXIT TO MAIN MENU"
1570 PRINT:PRINT"SELECT OPTION --> ";
1580 FL=-1:GOSUB370:IFCF=1THENRETURNELSEO$=IN$:IFO$<"1"ORO$>"8"THENPRINTCHR$(8);
     :GOTO1580
1590 GOSUB3730:IFXX=1THEN1530
1600 GOSUB3000
1610 O=VAL(O$):IFO=8THENFORT=0TO131:LPRINT"*";:NEXT:CLS:GOTO1530
1620 GOSUB2960:IFO<>7THENGOSUB2970:GOSUB3000
1630 ONOGOSUB3250,3270,3290,3310,3330,3360,3430
1640 IFO<>7THENGOSUB2890:FORN=1TOTN-1ELSEGOSUB3780:FORN=1TOTN-1
1650 J=V(N):IFSGN(J)=-1THEN1680
1660 ONOGOSUB3260,3280,3300,3320,3350,3400,3450
1670 EN$=INKEY$:IFEN$="@"THENLPRINT" ":LPRINT"    * TERMINATED *":POKE16425,1:GOT
     O1530
1680 NEXT
1690 IFO<>1ANDO<>3ANDO<>7ANDO<>5ANDO<>6THEN1770
1700 IFO=3THEN1760
1710 IFO=7THEN3830
1720 IFO=5ORO=6THEN3480
1730 LPRINT" ":LPRINT"TOTAL ITEMS LISTED:";TAB(25)TI
1740 IFCC=0THENLPRINT"TOTAL COST VALUE:";TAB(25);:LPRINTUSINGL6$;TC#
1750 LPRINT"TOTAL RETAIL VALUE:";TAB(25);:LPRINTUSINGL6$;TP#
1760 IFCC=0THENLPRINT" ":LPRINT"TOTAL COST OF ORDERS:";TAB(25);:LPRINTUSINGL6$;T
```

```
    R#
1770 GOSUB3240:CLS:GOTO1530
1780 GOSUB2630:GOSUB2660:GOSUB2670:RETURN
1790 GOSUB2540:GOSUB2600:GOSUB2610:RETURN
1800 CLS:PRINTTAB(20)"CREATE NEW INVENTORY"
1810 IFER=0THENPRINT@448,"SYSTEM CONTAINS INVENTORY DATA. IF YOU WISH TO ERASE ALL DATA,
     TYPE (SHIFT) K OR ELSE TYPE @ TO RETURN TO MAIN MENU --> ";ELSE1840
1820 FL=1:GOSUB370:IFCF=1THENRETURNELSET$=IN$:IFT$<>"K"THENPRINTCHR$(8);:GOTO182
     0
1830 CLOSE:KILLPI$:KILLPD$:KILLPT$:KILLPS$:KILLPR$:CLS:PRINT@468,"ALL DATA ERASE
     D":ER=1:PRINT:PRINT:GOSUB2480:RETURN
1840 TC#=0:TP#=0:TR#=0:TI=0:TN=1:HI=0:HN=1:F=0:ER=0:GOSUB2530
1850 PRINT@460,"SYSTEM READY FOR NEW INVENTORY"
1860 PRINT:PRINT:GOSUB2480:RETURN
1870 CLS:PRINTTAB(21)"ENTER SALES TICKETS":PRINT
1880 IFER=1THENGOSUB3060:RETURN
1890 GOSUB2350:H=HN:HC=0
1900 IFHI=1000THENCLS:PRINT@448,"SALES FILE IS FULL (1000 ITEMS). USE FUNCTION 6 TO
     POST SALES AND CLEAR THE FILE.":CLOSE1:GOSUB2500:RETURN
1910 GOSUB350
1920 PRINT@256,CHR$(31);
1930 IFHC<>0THENPRINT@295,"(LAST ENTRY: ";HA$;")";
1940 PRINT@256,"STOCK NUMBER: ";
1950 FL=10:GOSUB370:IFCF=0THENHA$=IN$ELSECLOSE1:RETURN
1960 GOSUB360:PRINT@384,"QUANTITY SOLD: ";
1970 FL=-4:GOSUB370:IFCF=0THENHB=VAL(IN$)ELSE1910
1980 GOSUB2360:GOSUB2400:GOSUB2380
1990 HI=HI+1:HN=HN+1:H=HN:HC=1:GOTO1900
2000 CLS:PRINTTAB(20)"END OF PERIOD PROCESSING":PRINT
2010 IFER=1THENGOSUB3060:RETURN
2020 PRINT@128,"FUNCTIONS:

     1 - POST SALES TICKETS AND CLEAR TICKET FILE

     2 - CLEAR CURRENT SALES FIGURES FROM INVENTORY

     3 - CLEAR CURRENT AND CUMULATIVE SALES FIGURES FROM INVENTORY

     @ - EXIT TO MAIN MENU":PRINT
2030 PRINT"SELECT FUNCTION > ";
2040 FL=-1:GOSUB370:IFCF=1THENRETURNELSEHO$=IN$:IFHO$<"1"ORHO$>"3"THENPRINTCHR$(
     8);:GOTO2040
2045 IFVAL(HO$)>1THENPRINT"  ARE YOU SURE (Y/N)";:FL=1:GOSUB370:IFIN$<>"Y"THEN20
     00
2050 ONVAL(HO$)GOTO2060,2260,2280
2060 GOSUB3730:IFXX=1THEN2000
2070 IFHI=0THENCLS:PRINT@460,"NO UNPOSTED SALES TICKETS IN FILE":GOSUB2500:GOTO2
     000ELSEGOSUB2190
2080 CLS:PRINT@468,"POSTING IN PROGRESS"
2090 GOSUB2350:HT=HI:HC#=0
2100 FORH=1TOHI
2110 GOSUB2360:GOSUB2400:GOSUB2410:IS$=HA$
2120 GOSUB2420:IFK=0THENGOSUB2200:GOTO2170
2130 GOSUB2540:GOSUB2600:GOSUB2610
2140 P1=P1+HB:P2=P2+HB:HC#=HC#+HB*IC
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```
2150 IQ%=IQ%-HB:TC#=TC#-HB*IC:TP#=TP#-HB*IP:IFIQ%<0THENGOSUB2220
2160 GOSUB2560:HT=HT-1:PRINT@596,"TICKETS REMAINING: ";HT
2170 NEXT:GOSUB2230
2180 HI=0:HN=1:CLOSE1:KILLPR$:GOTO2000
2190 GOSUB2960:LPRINTTAB(30)"SALES TICKET POSTING REPORT":LPRINTLF$:RETURN
2200 LPRINT"E R R O R : STOCK # ";HA$;" IS NOT IN INVENTORY LISTING AND WAS NOT
     POSTED":LPRINTLF$
2210 RETURN
2220 LPRINT"N O T E : STOCK # ";HA$;" NOW HAS A QUANTITY OF ";IQ%:LPRINTLF$:RETU
     RN
2230 LPRINT"NUMBER OF ITEMS POSTED: ";HI-HT
2240 LPRINT"TOTAL COST OF GOODS SOLD: ";USINGL6$;HC#
2250 GOSUB3240:RETURN
2260 CLS:PRINT@463,"CLEARING CURRENT SALES FIGURES"
2270 GOSUB2300:GOTO2000
2280 CLS:PRINT@460,"CLEARING CURRENT AND CUMULATIVE SALES FIGURES"
2290 GOSUB2300:GOTO2000
2300 FORJ=1TOTN-1
2310 GOSUB2540:GOSUB2600:GOSUB2610
2320 IFHO$="3"THENP2=0
2330 P1=0
2340 GOSUB2560:NEXT:RETURN
2350 OPEN"R",1,PR$:RETURN
2360 HR=INT((H-1)/20)+1:HD=H-20*INT((H-1)/20)-1
2370 FIELD1,HD*12ASD$,10ASH1$,2ASH2$:RETURN
2380 LSETH1$=HA$:RSETH2$=MKI$(HB)
2390 PUT1,HR:RETURN
2400 GET1,HR:RETURN
2410 HA$=H1$:HB=CVI(H2$):RETURN
2420 NL=0:NH=TN
2430 K=INT((NH-NL)/2):IFK=0THENRETURNELSEN=K+NL
2440 J=ABS(V(N)):GOSUB2630:GOSUB2660:IFIS$+STRING$(10-LEN(IS$)," ")=N$THENIS$=N$
     :GOTO2470
2450 IFIS$+STRING$(10-LEN(IS$)," ")<N$THENNH=N:GOTO2430
2460 NL=N:GOTO2430
2470 IFSGN(V(N))=-1THENK=0:RETURNELSERETURN
2480 PRINTTAB(10)"TYPE @ TO RETURN TO MAIN MENU --> ";
2490 FL=1:GOSUB370:IFCF=1THENRETURNELSEPRINTCHR$(8);:GOTO2490
2500 FORT=1TO2500:NEXT:RETURN
2510 PRINT@256,"0 - STOCK # --------->
     1 - DESCRIPTION ---->
     2 - QUANTITY ------->
     3 - COST ----------->
     4 - SELL ----------->
     5 - LOCATION ------->
     6 - REORDER PT/QTY-->
     7 - # ON ORDER ----->
     8 - DATE LAST ORDER->
     9 - VENDOR --------->";CHR$(31);
2520 RETURN
2530 OPEN"R",2,PD$:OPEN"R",3,PS$:RETURN
2540 JR=INT((J-1)/4)+1:JD=J-4*INT((J-1)/4)-1
2550 FIELD2,JD*63ASD$,19ASFD$,2ASFQ$,4ASFC$,4ASFP$,10ASFL$,2ASFR$,2ASFA$,2ASFO$,
     8ASFM$,6ASFV$,2ASP1$,2ASP2$:RETURN
2560 LSETFD$=ID$:RSETFQ$=MKI$(IQ%):RSETFC$=MKS$(IC)
```

```
2570 RSETFP$=MKS$(IP):LSETFL$=IL$:RSETFR$=MKI$(IR%):RSETFA$=MKI$(IN%)
2580 RSETFO$=MKI$(IO%):LSETFM$=IM$:LSETFV$=IV$:RSETP1$=MKI$(P1):RSETP2$=MKI$(P2)
2590 PUT2,JR:RETURN
2600 GET2,JR:RETURN
2610 ID$=FD$:IQ%=CVI(FQ$):IC=CVS(FC$):IP=CVS(FP$):IL$=FL$
2620 IR%=CVI(FR$):IN%=CVI(FA$):IO%=CVI(FO$):IM$=FM$:IV$=FV$:P1=CVI(P1$):P2=CVI(P
     2$):RETURN
2630 JR=INT((J-1)/25)+1:JD=J-25*INT((J-1)/25)-1
2640 FIELD3,JD*10ASD$,10ASN$:RETURN
2650 LSETN$=IS$:PUT3,JR:RETURN
2660 GET3,JR:RETURN
2670 IS$=N$:RETURN
2680 OPEN"I",1,PI$:OPEN"I",3,PT$
2690 INPUT#3,TC#,TP#,TR#,TI,HI:CLOSE3
2700 INPUT#1,TN,HN,F
2710 FORN=1TOTN-1:INPUT#1,V(N):NEXT:CLOSE1:RETURN
2720 OPEN"O",1,PI$
2730 PRINT#1,TN;HN;F
2740 FORN=1TOTN-1:PRINT#1,V(N):NEXT:CLOSE1:RETURN
2750 OPEN"O",3,PT$:PRINT#3,TC#;TP#;TR#;TI;HI:CLOSE3:RETURN
2760 PRINT@A0,CHR$(30);:GOSUB2510:GOSUB2540:GOSUB2600:GOSUB2610:PRINT@A0,IS$;:GO
     SUB2860:RETURN
2770 DATA281,345,409,473,537,601,665,729,793,857,128,490,960
2780 PRINT@AA,CHR$(30):PRINTCHR$(30);:PRINT@AA,;:RETURN
2790 DATA"####"
2800 DATA"####.##"
2810 DATA"$$###,####.##"
2820 DATA"###.#"
2830 IFIP<>0THENPRINT@552,"GROSS PROFIT= ";USINGL7$;FNGP(IC,IP);:PRINT" %";:RETU
     RNELSERETURN
2840 IFCC=1THENLPRINT"   ****";:RETURN
2850 IFIP<>0THENLPRINT" ";USINGL7$;FNGP(IC,IP);:RETURNELSERETURN
2860 PRINT@A1,ID$;:PRINT@A2,IQ%;:PRINT@A3,USINGL1$;IC;:PRINT@A4,USINGL1$;IP;:GOS
     UB2830
2870 PRINT@A5,IL$;:PRINT@A6,IR%;"/";IN%;:PRINT@A7,IO%;:PRINT@A8,IM$;:PRINT@A9,IV
     $;:GOSUB3860
2880 RETURN
2890 LPRINT"STOCK #      DESCRIPTION          QTY      COST      SELL   GP % LOCAT
     ION     R/O PT / QTY   ON ORDER   DATE      VENDOR    CURR / CUML"
2900 LPRINT"=======    ============         ===     ====      ====  ==== =====
     ===    =====   ====   ========  ====     ======   ====   ===="
2910 LPRINT" ":RETURN
2920 GOSUB3720:LPRINTIS$;TAB(12)ID$;TAB(33);:LPRINTUSINGL0$;IQ%;:LPRINTTAB(39);:
     IFCC=0THENLPRINTUSINGL1$;IC;ELSELPRINT"   ****";
2930 LPRINTTAB(48)USINGL1$;IP;:GOSUB2840
2940 LPRINTTAB(63)IL$;"   ";:LPRINTUSINGL0$;IR%;:LPRINT" / ";:LPRINTUSINGL0$;IN%;
     :LPRINT"   ";:LPRINTUSINGL0$;IO%;:LPRINT"   ";IM$;"  ";IV$;"   ";USINGL
     0$;P1;:LPRINT" / ";USINGL0$;P2
2950 RETURN
2960 LPRINTLL$:LPRINTLF$:LPRINTLF$:LPRINTLEFT$(TIME$,8):LPRINTLF$:RETURN
2970 CLS:PRINT@456,"DO YOU WANT TO SUPPRESS COST AND PROFIT FIGURES ? ";
2980 FL=1:GOSUB370:IFIN$<>"Y"ANDIN$<>"N"THENPRINTCHR$(8);:GOTO2980
2990 IFIN$="N"THENCC=0:RETURNELSECC=1:RETURN
3000 PRINT@128,CHR$(31):PRINT@470,"** PRINTING **":RETURN
3010 GOSUB2680:IFER=1THENRESUME3050
```

```
3020 PRINT@128,CHR$(31);
3030 GOSUB2530
3040 GOTO240
3050 PRINT@448,CHR$(30);CHR$(29);"NO DATA IN SYSTEM. USE FUNCTION 4 OF MENU TO C
     REATE INVENTORY. ":PRINT:GOSUB2480:GOTO240
3060 PRINT@458,"NO DATA IN SYSTEM! USE FUNCTION 4 FIRST!":GOSUB2500:RETURN
3070 PRINT:PRINT"NUMBER OF ITEMS CURRENTLY IN LISTING: ";TI
3080 PRINT"NUMBER OF UNPOSTED SALES TICKETS: ";HI
3090 PRINT"TOTAL COST (WHOLESALE) VALUE: ";:PRINTUSINGL6$;TC#
3100 PRINT"TOTAL RETAIL SALE VALUE ----: ";:PRINTUSINGL6$;TP#
3110 PRINT"TOTAL VALUE OF ITEMS ORDERED: ";:PRINTUSINGL6$;TR#
3120 RETURN
3130 IFF=0THENV(J)=J:RETURN
3140 FORN=1TOTN-1
3150 IFSGN(V(N))=-1THENV(N)=ABS(V(N)):J=V(N):TN=TN-1:F=F-1:RETURN
3160 NEXT
3170 PI$="INDEXFIL"+". "+P$+":1":PD$="DATAFILE"+". "+P$+":1":PT$="INFOFILE"+". "+P$
     +":1":PS$="STOCKNUM"+". "+P$+":1":PR$="SALEDATA"+". "+P$+":0":RETURN
3180 PRINT@472,"ENTER PASSWORD ---> ";
3190 P$="":FORX=1TO8
3200 PE$=INKEY$:IFPE$=""THEN3200ELSEIFPE$<" "ORPE$>"Z"THEN3220
3210 P$=P$+PE$:PRINT"#";:GOTO3230
3220 IFASC(PE$)=13THENRETURNELSE3200
3230 NEXT:RETURN
3240 LPRINT" ":LPRINT"END OF LISTING":LPRINTLL$:LPRINTCHR$(12):RETURN
3250 LPRINTTAB(30)"COMPLETE INVENTORY LISTING":LPRINT" ":RETURN
3260 GOSUB1780:GOSUB1790:GOSUB2920:RETURN
3270 LPRINTTAB(30)"LISTING OF NOT-IN-STOCK ITEMS":LPRINT" ":RETURN
3280 GOSUB1790:IFIQ%>0THENRETURNELSEGOSUB1780:GOSUB2920:RETURN
3290 LPRINTTAB(30)"LISTING OF ALL ITEMS ON ORDER":LPRINT" ":RETURN
3300 GOSUB1790:IFIO%=0THENRETURNELSEGOSUB1780:GOSUB2920:RETURN
3310 LPRINTTAB(30)"LISTING OF ALL ITEMS AT OR BELOW REORDER POINT":LPRINT" ":RET
     URN
3320 GOSUB1790:IFIQ%>IR%THENRETURNELSEGOSUB1780:GOSUB2920:RETURN
3330 GOSUB3530:GOSUB3000
3340 LPRINTTAB(30)"LISTING BY VENDOR: ";IX$:LPRINT" ":GOSUB3460:RETURN
3350 GOSUB1790:IFLEFT$(IV$,LEN(IX$))<>IX$THENRETURNELSEGOSUB1780:GOSUB3470:GOSUB
     2920:RETURN
3360 CLS:GOSUB3460:PRINT@468,"(P)REFIX OR (S)UFFIX ? "
3370 S$=INKEY$:IFS$<>"P"ANDS$<>"S"THEN3370
3380 IFS$="P"THENPRINT@532,"ENTER PREFIX --> ";:FL=10:GOSUB370:K$=IN$:GOSUB3000:
     LPRINTTAB(30)"LISTING BY PREFIX: ";K$:LPRINT" ":RETURN
3390 PRINT@532,"ENTER SUFFIX --> ";:FL=10:GOSUB370:K$=IN$:GOSUB3000:LPRINTTAB(30
     )"LISTING BY SUFFIX: ";K$:LPRINT" ":RETURN
3400 GOSUB1780:IFS$="S"THEN3420
3410 IFLEFT$(IS$,LEN(K$))<>K$THENRETURNELSEGOSUB1790:GOSUB3470:GOSUB2920:RETURN
3420 IFRIGHT$(IS$,LEN(K$))<>K$THENRETURNELSEGOSUB1790:GOSUB3470:GOSUB2920:RETURN
3430 GOSUB3530:GOSUB3000
3440 LPRINTTAB(20)"SUGGESTED PURCHASE ORDER TO VENDOR: ";IX$:LPRINT" ":TT=0:T1#=
     0:RETURN
3450 GOSUB1790:IFLEFT$(IV$,LEN(IX$))<>IX$ORIQ%>IR%ORIQ%<>0THENRETURNELSEGOSUB178
     0:GOSUB3800:RETURN
3460 TT=0:T1#=0:T2#=0:T3#=0:RETURN
3470 TT=TT+1:T1#=T1#+IQ%*IC:T2#=T2#+IQ%*IP:T3#=T3#+IQ%*IC:RETURN
3480 LPRINT" ":LPRINT"NUMBER OF ITEMS:";TAB(25)TT
```

```
3490 IFCC=0THENLPRINT"TOTAL COST VALUE:"; TAB(25)USINGL6$; T1#
3500 LPRINT"TOTAL RETAIL VALUE:"; TAB(25)USINGL6$; T2#
3510 IFCC=0THENLPRINT"TOTAL COST OF ORDERS:"; TAB(25)USINGL6$; T3#
3520 GOSUB3240:CLS:GOTO1540
3530 CLS:PRINT@450, "ENTER ENOUGH LETTERS TO IDENTIFY VENDOR --> ";
3540 FL=6:GOSUB370:IX$=IN$:RETURN
3550 IFERR/2+1=54THENER=1:RETURN
3560 IFERR/2+1=57THEN3610
3570 IFERR/2+1=68THENCLS:CLOSE:PRINT@458, "NO DISK IN DRIVE #1 - RUN TERMINATED":
     CLEAR50:POKE&H5C8C, 1:PRINT:PRINT:END
3580 IFERR/2+1=70THENCLS:PRINT@465, "UNAUTHORIZED ACCESS TO INVENTORY SYSTEM
     "TAB(28)"RUN TERMINATED":PRINT:CLEAR50:POKE&H5C8C, 1:END
3590 PRINT:PRINTCHR$(30); "UNEXPECTED ERROR CODE "; ERR/2+1, "IN LINE"; ERL:GOSUB250
     0:GOTO330
3600 ONERRORGOTO0
3610 CLS:PRINT@404, "** DISK I/O ERROR **":TE=TE+1
3620 PRINT@586, "TOTAL I/O ERRORS THIS RUN: "; TE
3630 PRINT@650, "THIS ERROR OCCURRED IN LINE"; ERL
3640 PRINT@778, "(T)RY AGAIN OR (E)XIT FROM PROGRAM ? ";
3650 FL=1:GOSUB370:IFIN$<>"T"ANDIN$<>"E"THENPRINTCHR$(8); :GOTO3650
3660 IFIN$="T"THENRESUMEELSE330
3670 OPEN"O", 1, "TRANSFER:0"
3680 PRINT#1, PI$:PRINT#1, PS$:PRINT#1, PD$:PRINT#1, PT$:PRINT#1, PR$
3690 CLOSE1:CLEAR50
3700 RUN"DATASORT"
3710 END
3720 IFPEEK(&H4029)<58THENRETURNELSELPRINTCHR$(12):GOSUB2960:GOSUB2890:RETURN
3730 IFPEEK(14312)<=127THENXX=0:RETURN
3740 CLS:PRINT@468, "PRINTER NOT READY !!":XX=1:GOSUB2500:CLS:RETURN
3750 IFCF<>0THENRETURN
3760 IFLEN(IN$)>=3THENIFMID$(IN$, LEN(IN$)-2, 1)="."THENRETURN
3770 PRINT" INVALID FORMAT !"; :FORT=1TO1000:NEXT:CF=2:RETURN
3780 LPRINT" QTY        STOCK #              DESCRIPTION              COST       EXTE
     NSION"
3790 LPRINT" ===        ========          ===========              ====       ====
     =====":LPRINT" ":RETURN
3800 TT=TT+1:T1#=T1#+IN%*IC
3810 LPRINTUSINGL0$; IN%; :LPRINTTAB(12)IS$; TAB(27)ID$; :LPRINTTAB(48)USINGL1$; IC; :
     LPRINTTAB(60)USINGL6$; IN%*IC
3820 RETURN
3830 LPRINT" ":LPRINT"TOTAL ITEMS:"; TT
3840 LPRINT"TOTAL COST OF ORDER:"; TAB(20)USINGL6$; T1#
3850 GOSUB3240:CLS:GOTO1540
3860 PRINT@616, "CURRENT SALES    : "; P1;
3870 PRINT@680, "CUMULATIVE SALES: "; P2;
3880 RETURN
```

```
10 CLEAR12000:DEFINTA-Z:DIMIS$(1000),V(1000)
20 OPEN"I",1,"TRANSFER"
30 LINEINPUT#1,PI$:LINEINPUT#1,FS$
40 CLOSE1
50 OPEN"I",1,PI$:OPEN"R",2,FS$
60 INPUT#1,TN,HN,F
70 N=TN-1
80 FORX=1TON:INPUT#1,V(X):NEXT:CLOSE1
90 FORJ=1TON
100 GOSUB200
110 NEXT:CLOSE2
120 CLS:PRINT@468,"SORT IS IN PROGRESS"
130 GOSUB240
140 CLS:PRINT@468,"SORT COMPLETE.  SAVING FILES"
150 OPEN"O",1,PI$
160 PRINT#1,TN,HN,F
170 FORX=1TON:PRINT#1,V(X):NEXT:CLOSE1
180 CLS:PRINT@468,"ALL OPERATIONS COMPLETE"
190 PRINT@596,"RETURNING TO MAIN MENU":CLEAR50:RUN"ICS"
200 JR=INT((J-1)/25)+1:JD=J-25*INT((J-1)/25)-1
210 FIELD2,JD*10ASD$,10ASN$
220 GET2,JR:IS$(J)=N$
230 RETURN
240 M=N
250 M=INT(M/2)
260 IFM=0THENRETURN
270 K=N-M:J=1
280 I=J
290 L=I+M
300 IFIS$(ABS(V(I)))>IS$(ABS(V(L)))THEN330
310 J=J+1:IFJ>KTHEN250
320 GOTO280
330 T=V(I):V(I)=V(L):V(L)=T:I=I-M
340 IFI<1THEN310
350 GOTO290
```